

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER CMIP003NAT
INTERNATIONAL APPLICATION NO. PCT/US04/21,307		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/261289
INTERNATIONAL FILING DATE July 1, 2004		PRIORITY DATE CLAIMED July 1, 2003
TITLE OF INVENTION Use of Machine Learning for Classification of Magneto Cardiograms		
APPLICANT(S) FOR DO/EO/US Sternickel et al.		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - c. ☒ is not required, as the application was filed in English.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98. **Fourteen (14) U.S. Patent References**
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☒ A power of attorney and/or change of address letter. **with statement under 37 C.F.R. 3.73(b)**
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/561285		INTERNATIONAL APPLICATION NO. PCT/US04/21,307		ATTORNEY'S DOCKET NUMBER CMIP003NAT	
20. Other items or information: Cover letter with certificate of mailing, return postcard, credit card payment form					
The following fees have been submitted				CALCULATIONS PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))					
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200				\$ 0	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500				\$ 0	
TOTAL OF 21, 22 and 23 =				\$300	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	74 - 20 =	54	x \$ 50	\$ 2700	
Independent claims	2 - 3 =	0	x \$200	\$ 0	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 3000	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL =				\$ 1500	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
TOTAL NATIONAL FEE =				\$ 1500	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$ 1500	
				Amount to be refunded:	\$
				Amount to be charged	\$ 1500

10/561285

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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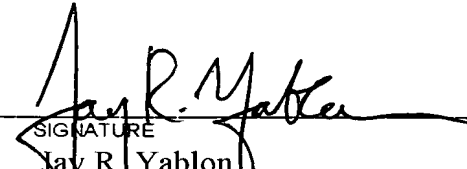
IAP20 Rec'd PTO 20 DEC 2005

- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☐ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. _____. A duplicate copy of this sheet is enclosed.
- d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Jay R. Yablon
Law Office of Jay R. Yablon
910 Northumberland Drive
Schenectady, New York 12309-2814


SIGNATURE
Jay R. Yablon
NAME
30604
REGISTRATION NUMBER

10/561285

LAW OFFICE OF JAY R. YABLON

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AP20 REGD PCT/PTO 20 DEC 2005

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December 20, 2005

Mail Stop PCT, Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RE: PCT/US04/21,307, US ENTRY UNDER 35 U.S.C. 371
FILED: JULY 1, 2004; PRIORITY: JULY 1, 2003
INVENTOR: STERNICKEL ET AL.
TITLE: USE OF MACHINE LEARNING FOR CLASSIFICATION OF MAGNETO CARDIOGRAMS
ATTORNEY DOCKET: CMIP003NAT

Dear Sirs:

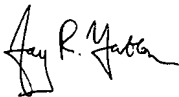
Please find enclosed the following materials for 371 entry of the above-referenced application:

- Transmittal letter concerning a filing under 35 U.S.C. 371 (3 sheets).
- Declaration (1 page), application data sheet (5 pages), power of attorney (1 page), statement under 37 C.F.R. 3.73(b) (1 page).
- Information disclosure forms (3 sheets containing 14 US Patent References).
- Credit Card Payment Form for \$1500, for application filing fees.

The drawings filed in the international parent case PCT/US04/02663 are to be regarded as FORMAL drawings. This is to assert that applicant qualifies for small entity status under 37 CFR 1.9 and 37 CFR 1.27. Please note that the assignment of this application to CardioMag Imaging, Inc. is recorded at Reel / Frame 015025/0685.

Please note that all claims as filed, without amendment, were found to meet the requirements of Article 33(1) PCT.

Very truly yours,

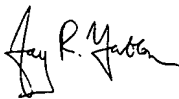


Jay R. Yablon
Reg. # 30604

CERTIFICATION OF EXPRESS MAIL UNDER 37 C.F.R. 1.10

"Express Mail" Mailing Label No. ER175492876US

Date of Deposit: December 20, 2005 I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above, and is addressed to: Mail Stop PCT; Commissioner for Patents; P.O. Box 1450; Alexandria, VA 22313-1450.



Name of Person Mailing Paper: Jay R. Yablon